Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/25/2019 11:20 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124843	-1	1.03	124936	1.03
Blue	F	SSC	125000	124320	-1	1.71	125113	1.73
Blue	E	FITC	16122	15719	-3	2.67	342	19.68
Blue	D	PE	29316	28895	-2	1.85	632	14.22
Blue	B	PerCP-Cy5-5	42590	42161	-2	3.55	1138	19.94
Blue	A	PE-Cy7	33146	33443	0	6.05	641	39.61
Red	C	APC	45473	44865	-2	2.42	1582	12.07
Red	A	APC-Cy7	31961	31134	-3	2.30	822	11.82
Violet	B	V450	7914	7517	-6	5.00	425	13.42
Violet	A	V500	29769	29336	-2	4.91	681	10.97

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21127	3.10	606	6	N/A	N/A	Pass
Blue	F	SSC	56480	1.19	550	12	N/A	N/A	Pass
Blue	E	FITC	62	65.09	539	2	0.0215	190	Pass
Blue	D	PE	131	49.42	541	4	0.1872	323	Pass
Blue	B	PerCP-Cy5-5	209	48.35	642	4	0.0093	39	Pass
Blue	A	PE-Cy7	119	97.59	696	5	0.0115	15	Pass
Red	C	APC	376	25.34	587	8	0.0249	168	Pass
Red	A	APC-Cy7	182	29.07	563	7	0.0059	1363	Pass
Violet	B	V450	67	58.10	471	11	0.0520	2193	Pass
Violet	A	V500	102	35.74	484	12	0.0233	1131	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.03	-31.87	0.92
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.52
Red	15.72	13.60 - 20.40	N/A	N/A	29.70	29.93	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10051

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments